

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	40507	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 or nois\$3 or artifact\$3 or dust\$3 or distort\$6 spot\$2 or stain\$3)same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:37
L2	17349	1 same(extract\$4 or cut\$3 or segment\$6 or portion\$3 or partial\$3 or partition\$3 or region\$3 or sampl\$3 or block\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:38
L3	4856	2 same(calculat\$6 or comput\$6 or measur\$3 or estimat\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:39
L4	1490	2 same(adjacent\$3 or neighbor\$6 or surround\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:38
L5	739	4 same(compar\$6 or correlat\$4 or match\$3 or similar\$3 or differen\$4)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:39
L6	98	5 same(digit\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:39
L7	35827	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 or nois\$3 or artifact\$3 or dust\$3 or spot\$2 or stain\$3)same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:37
L8	20637	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 or artifact\$3 or dust\$3 or spot\$2 or stain\$3)same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:45
L9	8954	8 same(extract\$4 or cut\$3 or segment\$6 or portion\$3 or partial\$3 or partition\$3 or region\$3 or sampl\$3 or block\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:46
L10	746	9 same(adjacent\$3 or neighbor\$6 or surround\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:46
L11	211	10 same(calculat\$6 or comput\$6 or measur\$3 or estimat\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:46
L12	118	11 same(compar\$6 or correlat\$4 or match\$3 or similar\$3 or differen\$4)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:47
L13	18	12 same(digit\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:47
L14	10083	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 or artifact\$3 or dust\$3 or stain\$3)same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 08:51

## EAST Search History

L15	4440	14 same(extract\$4 or cut\$3 or segment\$6 or portion\$3 or partial\$3 or partition\$3 or region\$3 or sampl\$3 or block\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 08:51
L16	332	15 same(adjacent\$3 or neighbor\$6 or surround\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 08:52
L17	96	16 same(calculat\$6 or comput\$6 or measur\$3 or estimat\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:46
L18	56	17 same(compar\$6 or correlat\$4 or match\$3 or similar\$3 or differen\$4)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:49
L19	15	18 same(digit\$6)	US-PGPUB; USPAT	OR	ON	2007/01/19 07:47
L20	752	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 )same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:07
L21	379	20 same(extract\$4 or cut\$3 or segment\$6 or portion\$3 or partial\$3 or partition\$3 or region\$3 or sampl\$3 or block\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:01
L22	33	21 same(adjacent\$3 or neighbor\$6 or surround\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:01
L23	804	(imag\$3 near10 digit\$4)same(bright\$6 or luminan\$6 or saturat\$4)same(scratch\$4 or dust\$3 or artifact\$3 or nois\$6 or distort\$4)same(repair\$3 or filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:00
L24	371	23 same(extract\$4 or cut\$3 or segment\$6 or portion\$3 or partial\$3 or partition\$3 or region\$3 or sampl\$3 or block\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:01
L25	33	24 same(adjacent\$3 or neighbor\$6 or surround\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:01
L26	27	(bright\$6 or intens\$4 or luminan\$6 or saturat\$4)same(scratch\$4 near10 pixel\$3 )same(filter\$3 or enhanc\$6 or adjust\$6 or correct\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 09:07

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**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IIE CNF = IIE Conference, IEEE STD = IEEE Standard

1. **Nonlinear adaptive bilinear filters for active noise control systems**  
Kuo, S.M.; Hsien-Tsai Wu;  
Circuits and Systems I: Regular Papers, IEEE Transactions on [see also Circuits and Systems I: Fundamental Theor and Applications, IEEE Transactions on]  
Volume 52, Issue 3, March 2005 Page(s):617 - 624  
IEEE JNL
2. **Design and evaluation of an algorithm for detecting current transformer saturation**  
Kang, Y.C.; Ok, S.H.; Kang, S.H.; Crossley, P.A.;  
Generation, Transmission and Distribution, IEE Proceedings-  
Volume 151, Issue 1, 14 Jan. 2004 Page(s):27 - 35  
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3. **Active noise control systems with adaptive nonlinear filters**  
Kuo, S.M.; Hsien-Tsai Wu;  
Control Applications, 2004. Proceedings of the 2004 IEEE International Conference on  
Volume 2, 2-4 Sept. 2004 Page(s):1330 - 1335 Vol.2  
IEEE CNF
4. **Trade-offs between color saturation and noise sensitivity in image sensors**  
Vora, P.; Herley, C.;  
Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on  
Volume 1, 4-7 Oct. 1998 Page(s):196 - 200 vol.1  
IEEE CNF
5. **An algorithm for detecting CT saturation using the secondary current third-difference function**  
Yong-Cheol Kang; Sang-Hee Kang; Crossley, P.;  
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Volume 4, 23-26 June 2003 Page(s):6 pp. Vol.4  
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6. **Implementation of a novel system for measuring the lifetime of OLED panels**  
Chang-Jung Juan; Ming-Jong Tsai;  
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Volume 49, Issue 1, Feb. 2003 Page(s):1 - 5  
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7. **Saturation effects in active noise control systems**  
Kuo, S.M.; Hsien-Tsai Wu; Fu-Kun Chen; Gunnala, M.R.;  
Circuits and Systems I: Regular Papers, IEEE Transactions on [see also Circuits and Systems I: Fundamental Theor and Applications, IEEE Transactions on]  
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8. **Adaptive IIR digital filters with saturation outputs for noise and echo cancellation**  
Kwan, H.K.;  
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9. **Character extraction algorithm for local and parallel processing without brightness threshold**  
Iwakata, S.; Ajioka, Y.; Hagiwara, M.;  
Intelligent Signal Processing and Communication Systems, 2004. ISPACS 2004. Proceedings of 2004 International Symposium on  
18-19 Nov. 2004 Page(s):90 - 95  
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10. **Adaptive filtering and alternative calculations revolutionizes pulse oximetry sensitivity and specificity during motion and low perfusion**  
Graybeal, J.M.; Petterson, M.T.;  
Engineering in Medicine and Biology Society, 2004. EMBC 2004. Conference Proceedings. 26th Annual International Conference of the  
Volume 2, 2004 Page(s):5363 - 5366 Vol.7  
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11. **MIRAS end-to-end calibration: application to SMOS L1 processor**  
Corbella, I.; Torres, F.; Camps, A.; Colliander, A.; Martin-Neira, M.; Ribo, S.; Rautiainen, K.; Duffo, N.; Vall-Ilossera, M.;  
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Volume 43, Issue 5, May 2005 Page(s):1126 - 1134  
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12. **Noise Removal from Chrominance Components of a Color Television Signal**  
Netravali, A.;  
Communications, IEEE Transactions on [legacy, pre - 1988]  
Volume 26, Issue 8, Aug 1978 Page(s):1318 - 1321  
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13. **Virtual restoration of ancient Chinese paintings using color contrast enhancement and lacuna texture synthesis**  
Soo-Chang Pei; Yi-Chong Zeng; Ching-Hua Chang;  
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14. **Selective sharpness enhancement of heavily-corrupted old film sequences**  
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15. **A novel phase aberration correction technique based on local target motion**  
Zhao, D.; Trahey, G.E.;  
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16. **Techniques for identifying dust devils in Mars Pathfinder images**  
Metzger, S.M.; Carr, J.R.; Johnson, J.R.; Parker, T.J.; Lemmon, M.T.;  
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17. **Correction of current transformer distorted secondary currents due to saturation using artificial neural networks**  
Yu, D.C.; Cummins, J.C.; Zhudin Wang; Hong-Jun Yoon; Kojovic, L.A.;

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Volume 16, Issue 2, April 2001 Page(s):189 - 194  
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**18. Effects of semiconductor-optical-amplifier nonlinearity on the performance of high-speed intensity-modulation lightwave systems**

Saleh, A.A.M.; Habbab, I.M.I.;  
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**19. Bounding the capacity of saturation recording: the Lorentz model and applications**

Heegard, C.; Ozarow, L.;  
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Volume 10, Issue 1, Jan. 1992 Page(s):145 - 156  
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**20. Transition noise properties in longitudinal thin-film media**

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**21. Advanced guidance laws for acceleration-constrained missile, randomly maneuvering target and noisy measurements**

Rusnak, I.;  
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Volume 32, Issue 1, Jan. 1996 Page(s):456 - 464  
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**22. Noise-resistant pulse oximetry using a synthetic reference signal**

Coetzee, F.M.; Elghazzawi, Z.;  
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Volume 47, Issue 8, Aug. 2000 Page(s):1018 - 1026  
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**23. Low-noise S-band DC SQUID based amplifier**

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Applied Superconductivity, IEEE Transactions on  
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**24. Analysis and correction of ultrasonic wavefront distortion based on a multilayer phase-screen model**

Deng-Huei Huang; Jenho Tsao;  
Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on  
Volume 49, Issue 12, Dec 2002 Page(s):1686 - 1703  
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**25. Synthesis of high dynamic range motion blur free image from multiple captures**

Xinqiao Liu; El Gamal, A.;  
Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on [see also Circuits and System I: Regular Papers, IEEE Transactions on]  
Volume 50, Issue 4, April 2003 Page(s):530 - 539  
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